

Form 1449\*

Atty. Docket No.

Serial No.

10678.1US01

Unknown

Applicant

RONNING

Filing Date

June 7, 1995

Group

Unknown

INFORMATION DISCLOSURE STATEMENT  
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## U. S. PATENT DOCUMENTS

| **Examiner Initial | Document Number | Date     | Name           | Class | Subclass | Filing Date If Appropriate |
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| PNL                | 3,798,605       | 03/19/74 | Feistel        | 380   | 25       |                            |
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| PNL                | 4,264,782       | 04/28/81 | Konheim        | 380   | 25       |                            |
| PNL                | 4,405,829       | 09/20/83 | Rivest et al.  | 380   | 30       |                            |
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| PNL                | 4,446,519       | 05/01/84 | Thomas         | 395   | 491      |                            |
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| PNL                | File History of U. S. Patent No. 4,740,890, issued April 26, 1988.   |
|                    | Amanda Mitchell, "Chicago Features Spark Online Distribution," <u>Computer Reseller News</u> , (August 1994), pp. 101. |

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|----------|-------------------|------------------|
| Examiner | Pinchus M. LAUFER | Date Considered  |
|          |                   | July 18-19, 1996 |

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| PNL                | 4,558,413       | 12/10/85 | Schmidt et al. | 380   | 4        |                            |
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| PNL                | 4,590,557       | 05/20/86 | Lillie         | 395   | 700      |                            |
| PNL                | 4,649,510       | 03/10/87 | Schmidt        | 380   | 4        |                            |
| PNL                | 4,654,799       | 03/31/87 | Ogaki et al.   | 364   | 479      |                            |
| PNL                | 4,658,093       | 04/14/87 | Hellman        | 380   | 25       |                            |
| PNL                | 4,672,554       | 06/09/87 | Ogaki          | 364   | 479      |                            |
| PNL                | 4,674,055       | 06/16/87 | Ogaki et al.   | 364   | 479      |                            |
| PNL                | 4,740,890       | 04/26/88 | William Tobin  | 395   | 186      |                            |

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|                    | Don Clark, "Multimedia: Patents May Raise Price of Information Highway," <u>The Wall Street Journal, (November 1993).</u> |
|                    | Walter S. Mossberg, "Personal Technology," <u>The Wall Street Journal, (December 1993).</u>                               |

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| PNL                | 4,780,905       | 10/25/88 | Cruts et al.   | 380   | 44       |                            |
| PNL                | 4,787,050       | 11/22/88 | Suzuki         | 395   | 200.09   |                            |
| PNL                | 4,864,516       | 09/05/89 | Gaither et al. | 395   | 153      |                            |
| PNL                | 4,949,257       | 08/14/90 | Orbach         | 364   | 401R     |                            |
| PNL                | 4,999,806       | 03/12/91 | Chernow et al. | 380   | 4 X      |                            |
| PNL                | 5,006,849       | 04/09/91 | Baarman et al. | 341   | 95       |                            |
| PNL                | 5,014,234       | 05/07/91 | Edwards, Jr.   | 380   | 4 X      |                            |
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Examiner Pinchus, M. LanferDate Considered  
July 18-19, 1996

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| PNL                | 5,166,886       | 11/24/92 | Molnar et al.   | 380   | 4X       |                            |
| PNL                | 5,199,066       | 03/30/93 | Logan           | 380   | 4        |                            |
| PNL                | 5,222,134       | 06/22/93 | Waite et al.    | 380   | 4        |                            |
| PML                | 5,241,671       | 08/31/93 | Reed et al.     | 395   | 600      |                            |
| PNL                | 5,267,171       | 11/30/93 | Suzuki et al.   | 364   | 479      |                            |
| PNL                | 5,269,698       | 12/14/93 | Singer          | 439   | 157      |                            |
| PNL                | 5,293,422       | 03/08/94 | Loiacono        | 380   | 4        |                            |
| PNL                | 5,327,563       | 07/05/94 | Singh           | 395   | 700      |                            |
| PNL                | 5,341,429       | 08/23/94 | Stringer et al. | 380   | 23       |                            |

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